

What is claimed is:

1. A winglet for mounting on a flexible line to be towed by an underwater vehicle, the winglet comprising:

an internal collar member for connection to an inside surface of the line;

an outer collar member for connection to an outside surface of the line outboard of said internal collar;

connection means for fixing said internal and outer collar members to the line; and

a plurality of fins mounted on an outside surface of said outer collar member and extending outwardly from said outer collar member.

2. The winglet in accordance with claim 1 wherein said connection means comprises fasteners extending through said outer collar member, the line, and said internal collar member.

3. The winglet in accordance with claim 2 wherein said fasteners comprise bolts.

4. The winglet in accordance with claim 1 wherein said collar members are of metal and said line is of a flexible material.

5. The winglet in accordance with claim 3 wherein the metal is aluminum.

6. The winglet in accordance with claim 1 wherein said outer collar member comprises first and second components,

said first component having threads at an after end thereof,

said second component having threads thereon engageable with the first component threads, and

said fins being fixed to said second component;

such that said second component and said fins are removable from said first component which is thereby adapted to receive an alternative second component with an alternative plurality of fins thereon.

7. The winglet in accordance with claim 1 wherein;

the winglet is adapted for mounting on a trailing end of the flexible line;

said internal collar is adapted for connection to the inside surface of the line at the trailing end thereof; and

said connection means is adapted for fixing the internal and outer collar members to the trailing end of the line.

8. A flexible line assembly for connection to a bow portion of an underwater vehicle and adapted to be towed by the underwater vehicle, the assembly comprising:

a hollow flexible line for connection at a first end to the underwater vehicle bow portion, a second end of said line being adapted to trail along aft of the vehicle bow portion and spaced outwardly from a stern portion of the vehicle;

a winglet fixed on the second end of said line, said winglet having a plurality of fins mounted thereon; and

a tether for extension from the stern portion of the vehicle and adapted to be fixed to the second end of said flexible line;

whereby to stabilize said flexible line positionally as said flexible line is towed by the vehicle.